

Datasheet: MCA1473

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| Description: | MOUSE ANTI CHICKEN CD3 |
| Specificity: | CD3 |
| Format: | Purified |
| Product Type: | Monoclonal Antibody |
| Clone: | CT-3 |
| Isotype: | IgG1 |
| Quantity: | 0.5 mg |

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

| | Yes | No | Not Determined | Suggested Dilution |
|----------------------------|-----|----|----------------|--------------------|
| Flow Cytometry | ▪ | | | 1/50 |
| Immunohistology - Frozen | ▪ | | | |
| Immunohistology - Paraffin | | | ▪ | |
| ELISA | | | ▪ | |
| Immunoprecipitation | ▪ | | | |
| Western Blotting | | | ▪ | |

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

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| Target Species | Chicken |
| Product Form | Purified IgG - liquid |
| Preparation | Purified IgG prepared from ascites |
| Buffer Solution | Borate buffered saline |
| Preservative Stabilisers | None present |
| Approx. Protein Concentrations | IgG concentration 0.5 mg/ml |
| Immunogen | Chicken thymocytes and Ig ^{-ve} peripheral blood mononuclear cells. |
| External Database Links | UniProt: Q98910 Related reagents |

Entrez Gene:[396062](#) CD3E [Related reagents](#)

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| RRID | AB_321244 |
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| Fusion Partners | Lymph node cells from immunised Balb/c mice were fused with cells from the mouse P3-X63Ag8.653 myeloma cell line. |
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| Specificity | <p>Mouse anti Chicken CD3, clone CT-3 recognizes the chicken CD3 cell surface antigen expressed by T cells (Chen <i>et al.</i> 1986). The antibody also co-precipitates a ~90 kDa heterodimer from digitonin solubilised T cell lysates, which can be reduced to two polypeptides of ~40 kDa and ~50 kDa.</p> <p>In the chicken, CD3 is expressed by approximately 30% of thymocytes, 70% of peripheral blood mononuclear cells, but <1% of cells in the bursa and bone marrow.</p> |
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| Flow Cytometry | Use 50ul of the suggested working dilution to label 10 ⁶ cells in 100ul. |
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| References | <ol style="list-style-type: none">1. Chen, C.L. <i>et al.</i> (1986) Identification of a T3/T cell receptor complex in chickens. J Exp Med. 164 (1): 375-80.2. Mukamoto, M. & Kodama, H. (2000) Regulation of early chicken thymocyte proliferation by transforming growth factor-beta from thymic stromal cells and thymocytes. Vet Immunol Immunopathol. 77 (1-2): 121-32.3. Chaussé, A.M. <i>et al.</i> (2011) Expression of toll-like receptor 4 and downstream effectors in selected cecal cell subpopulations of chicks resistant or susceptible to salmonella carrier state. Infect Immun. 79: 3445-54.4. Balic, A. <i>et al.</i> (2014) Visualisation of chicken macrophages using transgenic reporter genes: insights into the development of the avian macrophage lineage. Development. 141: 3255-65. |
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| Storage | <p>Store at +4°C or at -20°C if preferred.</p> <p>This product should be stored undiluted.</p> <p>Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.</p> |
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| Guarantee | Guaranteed until date of expiry. Please see product label. |
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| Health And Safety Information | Material Safety Datasheet documentation #10123 available at: 10123: https://www.bio-rad-antibodies.com/uploads/MSDS/10123.pdf |
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| Regulatory | For research purposes only |
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Related Products

Recommended Secondary Antibodies

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|-----------------------------------|----------------------|
| Rabbit Anti Mouse IgG (STAR12...) | RPE |
| Rabbit Anti Mouse IgG (STAR13...) | HRP |
| Rabbit Anti Mouse IgG (STAR9...) | FITC |

Goat Anti Mouse IgG (H/L) (STAR117...) [FITC](#)

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